

HOLE NO. <u>84-15</u>	Page <u>1</u> of <u>11</u>
PROPERTY: <u>Arbor Resources (Dawson)</u>	
CLAIM NO.	
SECTION NO.	
STARTED: <u>December 14, 1984</u>	
COMPLETED:	

LOCATION: LB-0 1+85E				DIPS - collar 60°				CONTRACTOR: Phil's Diamond Drilling				HOLE NO. 84-1A		Page 1 of 11	
AZIMUTH: 040°				- m °				LOGGED BY: P. Grunenberg				PROPERTY: Arbor Resources (Dawson)			
ELEVATION:				- m °				DATE: December 1984				CLAIM NO.			
LENGTH: 492'				- m °								SECTION NO.			
CORE SIZE: NQ				- m °								STARTED: December 14, 1984			
PURPOSE: Sample Geophysical conductor										COMPLETED:					
Section		ROCK DESCRIPTION				Interval		ALTERATION MINERALIZATION etc.				VEINLETS			
from	to					from	to					Thickness	Angle to core	minerals in decreasing abundance	
0	91'10"	Overburden - tailings													
		from hillside placering + ?													
91'10"	99'3"	Light grey-green and brown						-Limonite along cleavage (schistosity							
		Qtz (45%), sericite (30%),						plains							
		chl. (25%) schist						-finely disseminated pyrite							
		-fairly well developed parallel						with a few coarser cubes							
		schistosity, to C.A. = 80°						(to 0.5mm width) to total							
		-gradational contact with						of near 1%							
		next unit via increasing													
		#'s of thin (to 5mm) bands													
		of graphitic rock which													
		parallel schistosity													
99'3"	99'7"	Qtz vein										100	~60°	Qtz, calcite	
		Recovery 92' - 102' = 93%													
		102' - 112' = 83%													
		112' - 122' = 89%													
		122' - 132' = 58%													

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
99'7"	160'1"	Dark grey to black, graphite, chl, qtz schist graph bands range from 40 to 60% of total. Most schistosity fairly planar, but in places qtz takes on a mottled texture. Distribution of qtz is even, except for small veins as mentioned in veinlets Chlorite % varies conversly with graphite, from ~ 10 to 20% Average schistosity to C.A. = 75° to 80° Recovery 132' - 142' = 80% 142' - 152' = 85% 152' - 162' = 100% 162' - 172' = 97%			little disseminated sus visible, but small stringers along schistosity are quite common to 5% locally, but 1% overall, as well as blebs of sulfides to 1cm diameter	50	80°	qtz-cc veinlet no mins
			134'-	134'2"		50	85°	qtz-cc veinlet
160'1"	161'5"	Medium grey-green, some- what evenly textured chlorite -sericite - qtz schist, qtz is more pervasive through rock with only 2 bands over this section, no schistosity reading			fig. sulfides disseminated throughout with some smears along cleavage breaks, over surface area up to 30% sulfide, possible 5 to 10% through section.			

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
161'5"	182'3"	Medium to dark grey, unevenly textured, graphitic (30%) chlorite (40%) qtz (30%) (with minor sericite,) schist, interlayered with 1 to 3 inch rock as that described in 160'1" - 161'5" (light colored chl-seric-qtz) schistosity cleavage to C.A.=78°			-disseminated small blebs of sulfide (py) throughout to about 5%, with some larger (to 4mm) elongated blebs following schistosity, total ~ 6%			
		Recovery 172' - 182' = 99%						
		182' - 192' = 100%						
182'3"	183'7"	Light to medium colored grey-green chlorite (50%) quartz (20%), sericite (20%) with minor graphite. Schistosity unrecognized along most of section, somewhat evenly textured. Cleavage to C.A. = 65°			Disseminated pyrite to 2%, a few blebs of 8mm diameter to total of 3%			
		-calcite growth (fig.) on cleaved surfaces						
		--gradational contacts						
183'7"	185'7"	graphite (30%), qtz (40%) chlorite (25%) schist (Con't)						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
183'7"	185'7"	(Con't) nearly even schist-			f.g. diss and some stringers			
		osity, but somewhat mottled			along schistosity to <1%			
		texture with quartz						
185'7"	189'3"	evenly textured light grey-			<1% diss., f.g. pyrite			
		green chlortie (50%), quartz						
		(30%) sericite (20%) schist						
		cleavage about 90° to C.A.						
		Few areas of section have mottled						
		textured qtz.						
		Recovery 192' - 202' = 99%						
		202' - 212' = 92%						
189'3"	205'	Medium to dark grey & white	204' -	204'4"	small shear zone, black sandy			
		warpy banded qtz (45%), graph			mud rock, graphitic			
		(35%), chlorite (20%) schist	202'6"	202'8"	-----	50	50°	warpy qtz calcite band
		schistosity linear in few places						
		Ave. to C.A. = 80°			<1% diss sulfides			
205' -	206'	shear zone - black muck						
		(graphitic), No large sized			No visible sulfides			
		fragments						
		aparent contact = schistosity						
		= 80° to C.A.						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
206'	207'5"	Qtz (40%), graphite 35%			-carbonate alt'n along			
		chlorite (25%), schist. Some			fractures.			
		-what pervasive qtz percentage,			<1% diss. sulfides			
		also some calcite along						
		with quartz.						
207'5"	211'	Brecciated, marbled looking			- sulfide stringers in a			
		core with subangular chunks			few places, to <1%,			
		of graphitic schist in a white			no particular orientation,			
		qtz - c.c. matrix (35%)			to approx. 5mm length			
		-gradual contacts either end						
		- calcite lined cavities within						
		white segments of rock						
		Recovery 212' - 222' = 78%						
		222' - 232' = 60%						
211'	359'	Start of an extensive	212'	212'5"	- - - - -	120	~70°	folded quartz - calcite band
		bed of graphitic schist			near network styled			
		with average 30% quartz			sulfide mineralization over			
		and 10 to 20% chlorite. In	217'	217'2"	some short intervals of core	50	~80°	folded quartz calcite band
		some places this rock has			(to 3" length), with sulfides			
		been sheared to a black			to 15% of total rock, but			
		mud (shear zones noted under			average sulfides to about			
		alt'n, mineral'n, etc.). Mottled			2% over total length			
		texture with plastic deformation			Continued			
		Continued						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
211'	359'	(Cont) of qtz banding	231'	231'2	- brilliant green colored alter-			
					ation mineral (mariposite) along			
		Recovery: 232' - 242' = 77%			warpy schistosity cleaves			
		242' - 252' = 55%			shear zones:			
		252' - 260' = 30%	252'5	253'1	" - 18" shear zone - black, powdery			
		260' - 272' = 48%	269'	276'	large shear zone - black crumbled			
		Dyke rock at 272', 2 inch			core still quite coherent (frozen)			
		wide aphanitic grey colored,			in places.			
		low siliceousness (Andesite)	300'	301'5	- Black granular sheared			
		Recovery: 272' - 282' = 48%			graphite			
		282' - 292' = 90%						
		292' - 302' = 100%	---	332'+	- pyrite becomes increasingly			
		302' - 312' = 68%			coarser, cubes and blebs to			
		312' - 322' = 98%			5mm diameter, and up to 8%			
		322' - 332' = 97%			of rock when combined with			
		332' - 342' = 100%			finer grained disseminate.			
		schistosity plain recognizable						
		in area of 343', to C.A. = 60°	351'	352'	Shear zone, black chunky			
		Recovery 342' - 352' = 100%			breaking, granulated			
		352' - 362' = 99%						
		- gradual change to	354'	357'6	- shear zone: granular to			
		next rock type with decreasing			chunky, broken black graphite			
		amount of graphite.						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
359'	361'11"	Light grey-green chlorite						
		(35%), quartz (35%), Talc			< 1% disseminated sulfides			
		- sericite (combined 30%) schist						
		- qtz bands plastically deformed						
		to lens shaped blebs.						
		- gradational contact to next						
		rock type, above rock powdery						
		sheared towards next unit.						
		Recovery 362' - 372' = 99%						
		372' - 382' = 97%						
361'11"	381'11"	Light and dark grey, patchy			- Small agglomerates of f.g.			
		interbeds of chlorite - quartz -			py as well as coarser			
		sericite schist (2 to 5" bands)			cubes, some alignment along			
		and chlorite, qtz, minor			schistosity plain, but mostly			
		graphite schist (thickbands)			unorgainzed disseminated			
		schistosity to C.A. - 60°			- total sulfides to 15%			
		where visible, most of section			locally, average over section			
		has a mottled texture			about 3 to 5%			
381'11"	385'9"	Medium grey aphanitic evenly			- chloritized throughout, carb			
		textured, low siliceous dyke			along fracture surfaces			
		rock (Andesite)			- py smears along fracture surfaces			
					to ~1%			
		Cont.						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
381'11"	385'9"	Cont.						
		Recovery 382' - 392' = 83%						
		392' = 402' = 99%						
385'9"	404'	Graphite (30%), chlorite (30%), quartz schist, medium grey color, subparallel Schistosity			eroded cubes and agglomerotos of fine grains of pyrite scattered throughout, to 5mm diameter, to 2% of total section	1 to 2	40° and 70°	fractures filled with quartz calcite, linear, unbroken over sections within core
		Recovery 402' - 412' = 75%						
404'	405'1"	quartz vein, core has caught on edge of a vein or pod of quartz so that 3/4 of core diameter is quartz, with the other 1/4 graphitic country rock, slabbed onto the side			no apparent related mineralization			
405'1"	416'8"	graphite (40%), quartz (30%) chlorite (30%) schist, warpy schistosity, highly irregular texture to mottled.			few blebs of sulfide stretched out along schistosity, as well as f.g. disseminated to total 1% overall.			
		Recovery 412' - 422' = 89%						
		422' - 432' = 74%						
416'8"	466'	Very light blue grey with areas of lime green tinge, quartz sericite-muscovite schist,	431'4"	432'	- pervasive silicification in a few segments of section, looks rhyolitic in nature.	?	subparallel, portion of vein or pod of	quartz on side of core

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Section		ROCK CON'T DESCRIPTION	Interval		ALTERATION. MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
416'8"	466'	irregular schistosity, to no	432'6"	433'	- Very fine grained disseminated	100	?	broken quartz, bull, white
		recognizable schistosity over			sulfides somewhat strung out along			little carbonate content.
		some short (to 6") sections			micro schistosity, to 1 or 2%			
					of total section, as well as a few			
					cubes (to 5mm sides), very local.			
		Note" 1-3 foot and	442'8"	443'		50	85°	bull quartz interschistosity
		1-1 foot section of mica sand						vein.
		exists between 432' and 442',	460'9"	461'		70	uneven	interschistosity quartz band
		yet there is still 10 feet of						no visible sus.
		rock core; ie, fall in of	463'8"	464'		100	uneven	interschistosity guard band
		surficial material must have						no visible sus.
		been cored at this time.						
		- a few very thin chloritic						
		bands exist within the qtz-						
		sericite schist between 442'						
		and 465'6".						
		Recovery: 432' - 442' = 99%						
		442' - 452' = 100%						
		452' - 462' = 99%						
		462' - 472' = 96%						
466'	467'	Qtz - cc (vein?) with irregular			No visible sus			
		contacts, broken edges and						
		fragments of x-try rock						
		within qtz						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from	to		from	to		Thickness	Angle to core	minerals in decreasing abundance
467'	471'	- Gradational section from previous qtz - sericite schist to a more chloritic schist via increase in chlorite bands, - irregular schistosity			< 1% disseminated sulfides			
471'	473'	qtz (40%), chlorite (35%) graphite (25%) schist, dark grey, irregular, mottled texture			< 1% disseminated sulfides			
473'	474'	Qtz (70%), calcite (30%) section, part of schistosity banding. Recovery 472' - 482' = 83%				300	75°	Qtz-cc
474'	478'	- mottled textured chloritic Qtz sericite (minor graphite) schist			< 1% disseminated sus.			
478'	480'	" Graphite (50%) qtz-chlorite schist, irregular, mottled texture			< 1% coarse py cubes (to 5mm/ side)			

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